

**FACT SHEET**  
**DRAFT HMWA/RCRA PARTIAL-CLOSURE PLAN**  
**FOR THE**  
**FLUORINEL DISSOLUTION PROCESS AND FUEL STORAGE (FAST)**  
**BASIN WATER AQUASKID SYSTEM**  
**LOCATED AT THE**  
**IDAHO NATIONAL LABORATORY**  
**EPA ID NO. ID4890008952**

This fact sheet sets forth the principal facts pertaining to a draft partial-closure plan that the Idaho Department of Environmental Quality (DEQ) is proposing to approve. The partial-closure plan presents the applicable closure requirements the DEQ intends to require of the United States Department of Energy (DOE) associated with the Fluorinel Dissolution Process and Fuel Storage (FAST) Basin Water Aquaskid System located at the Idaho Nuclear Technology and Engineering Center on the Idaho National Laboratory (INL).

**A. PURPOSE OF THE CLOSURE PLAN**

Closure plans designate specific administrative and procedural requirements the owner/operator must meet in order to comply with Idaho's Hazardous Waste Management Act (HWMA) of 1983, as amended. DEQ reviewed, and now proposes to approve, the draft plan to close the INTEC/FAST Basin Water Aquaskid system.

**B. PROCEDURES FOR REACHING A FINAL DECISION**

IDAPA 58.01.05.009 [40 CFR §265.112(d)(4)] requires that the public be given 30 calendar days to comment on the draft closure plan presented for approval under the HWMA. The comment period will begin on September 26, 2005, and will end on October 26, 2005. Any person interested in commenting on this plan must do so within this 30-calendar day comment period.

At the discretion of the Director of the DEQ, a public hearing may be provided if signed, written requests for a hearing are submitted personally, or sent to the address below, and received on or before October 26, 2005. All persons wishing to comment on the partial-closure plan's conditions should submit comments in writing to:

*Mr. Robert Bullock*  
*c/o Teri Gregory*  
*Waste and Remediation Division*  
*Idaho Department of Environmental Quality*  
*1410 North Hilton*  
*Boise, ID 83706-1255*  
*(208) 373-0502*

Comments should include all reasonable available references, factual grounds, and supporting material.

When making the final determination regarding the approval of this partial-closure plan, DEQ will consider all written comments received during the public comment period; comments received during the public hearing (if held); the requirements of the hazardous waste regulations of IDAPA 58.01.05.000 et seq.; and all other applicable federal, state, or local laws.

#### C. FACILITY/UNIT DESCRIPTION

The FAST Basin Water Aquaskid tank system was designed to provide makeup water to the storage basin and chemical makeup areas of the FAST Facility (CPP-666) located at INTEC. The system included a makeup water deionizer, a caustic day tank, a regeneration day tank, and associated ancillary piping located on a steel skid within a concrete berm. The system did not pass the initial operations test and was never put into service. Caustic and acid solutions remained in the makeup regeneration caustic day tank and the regeneration day tank until the tanks were drained in 1992. Because these caustic and acid solutions were not removed within 90 days of removal from service, portions of the FAST Basin Water Aquaskid tank system became subject to RCRA/HWMA closure. The portion of the tank system subject to closure includes the caustic day tank, a regeneration day tank, and associated ancillary piping. Any residual liquids in the system may be corrosive and could also contain impurities such as barium, chromium, lead, mercury, nickel, and zinc.

#### D. CLOSURE ACTIVITIES

Closure activities include removing and managing any residual corrosive solutions remaining in the tanks and associated drain lines, and decontaminating system components. If the system components cannot be successfully decontaminated, the tanks and ancillary equipment will be removed and properly managed. All activities associated with this plan will be monitored and certified by an independent registered professional engineer. Closure activities shall be completed within 240 days of DEQ approval of the closure plan.

E. CLOSURE PLAN ORGANIZATION

The closure plan is divided into ten (10) sections as follows:

<i><b>SECTION</b></i>	<i><b>TITLE</b></i>
1	INTRODUCTION
2	FACILITY DESCRIPTION
3	VCO TANK SYSTEM INTEC-076 CURRENT AND MAXIMUM WASTE INVENTORIES AND CHARACTERISTICS
4	CLOSURE PERFORMANCE STANDARDS
5	CLOSURE ACTIVITIES
6	CLOSURE SCHEDULE
7	CLOSURE PLAN AMENDMENTS
8	CERTIFICATION OF CLOSURE
9	COST AND LIABILITY REQUIREMENTS
10	REFERENCES